ELSEVIER

International Journal of Mass Spectrometry 200 (2000) 625

International Journal of Mass Spectrometry

Author index

Armentrout, P.B., 219
Aubry, C., 277

Baer, T., 443
Böhme, D.K., 97
Brauman, J.I., 591
Brenton, A.G., 403
Brodbelt, J.S., 57

Dahl, D.A., 3
Danovich, D., 163
DePuy, C.H., 79
Dunbar, R.C., 571
Duncan, M.A., 545

Fenn, J.B., 459
Futrell, J.H., 495

Goeringer, D.E., 137
Gross, M.L., 611

Hankin, J.A., 201
Hillenkamp, F., 71
Holmes, J.L., 277

Jackson, A.T., 261
Jennings, K.R., 479

Karas, M., 71
Kebarle, P., 313
Kroto, H., 253

Lifshitz, C., 423
Loo, J.A., 175
Lorquet, J.C., 43

March, R.E., 285
Marshall, A.G., 331
McLuckey, S.A., 137
McMahon, T.B., 187

Munson, B., 243
Murphy, R.C., 201

Ng, C.Y., 357
Nibbering, N.M.M., 27

Schröder, D., 163
Schwarz, H., 163
Scrivens, J.H., 261
Shaik, S., 163
Smith, R.D., 509
Standing, K.G., 597
Stephenson, J.L., Jr., 137

Traeger, J.C., 387
Trage, C., 163

Wells, J.M., 137

1387-3806/00/$20.00 © 2000 Elsevier Science B.V. All rights reserved
PII S1387-3806(00)00441-3

ELSEVIER

International Journal of Mass Spectrometry 200 (2000) 627–630

International Journal of Mass Spectrometry

Subject index

Anion chemistry
An introduction to the gas phase chemistry of anions, 79
Aromaticity
Carbon clusters, 423

Binding energies
Carbon clusters, 423
Blackbody radiation
Carbon clusters, 423
Bond energies
Kinetic energy dependence of ion-molecule reactions: guided ion beams and threshold measurements, 219
Breakdown curves
Carbon clusters, 423
Buckminsterfullerene
C_{60} and carbon: a postbuckminsterfullerene perspective, 253

C_{60}
C_{60} and carbon: a postbuckminsterfullerene perspective, 253
CAD and SID
Carbon clusters, 423
Capillary electrophoresis
Evolution of ESI-mass spectrometry and Fourier transform ion cyclotron resonance for proteomics and other biological applications, 509
Carbon
C_{60} and carbon: a postbuckminsterfullerene perspective, 253
Carbon clusters
Carbon clusters, 423
Charge-remote fragmentation
Charge-remote fragmentation: an account of research on mechanisms and applications, 611
Chemical ionization
Development of chemical ionization mass spectrometry, 243
Clusters
Frontiers in the spectroscopy of mass-selected molecular ions, 545
Collisional activation
Development of tandem mass spectrometry: one perspective, 495
Collisional excitation
Translational-energy spectroscopy: a personal perspective of its development, 403
Collision-induced decomposition (CID)
The changing impact of the collision-induced decomposition of ions on mass spectrometry, 479
Complexation
Probing molecular recognition by mass spectrometry, 57
Correlation schemes
Correlating thermochemical data for gas-phase ion chemistry, 277
Crossed-beam
Development of tandem mass spectrometry: one perspective, 495

Delayed ionization and thermionic emission
Carbon clusters, 423
Density functional theory
Carbon clusters, 423
Detection
Milestones in Fourier transform ion cyclotron resonance mass spectrometry technique development, 331
Dissociation
Milestones in Fourier transform ion cyclotron resonance mass spectrometry technique development, 331
Drug discovery
Electrospray ionization mass spectrometry: a technology for studying noncovalent macromolecular complexes, 175

Electron transfer
Inner-sphere electron transfer in metal-cation chemistry, 163
Electronic spectroscopy
Frontiers in the spectroscopy of mass-selected molecular ions, 545
Electrospray ionization
Electrospray ionization mass spectrometry: a technology for studying noncovalent macromolecular complexes, 175
Electrospray mass spectrometry of organometallic compounds, 387
Evolution of ESI-mass spectrometry and fourier transform ion cyclotron resonance for proteomics and other biological applications, 509
Probing molecular recognition by mass spectrometry, 57
Quadrupole ion trap mass spectrometry: a view at the turn of the century, 285
Timing the flight of biomolecules: a personal perspective, 597
Endohedral fullerenes
Carbon clusters, 423
Energy loss
Translational-energy spectroscopy: a personal perspective of its development, 403
Evaporative ensemble model
Carbon clusters, 423
Excitation
Milestones in Fourier transform ion cyclotron resonance mass spectrometry technique development, 331
Excited states
Translational-energy spectroscopy: a personal perspective of its development, 403

Fatty acids
Charge-remote fragmentation: an account of research on mechanisms and

1387-3806/00/$20.00 © 2000 Elsevier Science B.V. All rights reserved
PII S1387-3806(00)00442-5

applications, 611
FHBT
Carbon clusters, 423
Field ionization kinetics
The role of mass spectrometric methods in ionic reaction mechanistic studies, 27
Fission reactions
Carbon clusters, 423
Flow-tube mass spectrometry
Experimental studies of positive ion chemistry with flow-tube mass spectrometry: birth, evolution, and achievements in the 20th century, 97
Fragmentation
Milestones in Fourier transform ion cyclotron resonance mass spectrometry technique development, 331
Fragmentation mechanisms
Charge-remote fragmentation: an account of research on mechanisms and applications, 611
FTICR
Evolution of ESI-mass spectrometry and fourier transform ion cyclotron resonance for proteomics and other biological applications, 509
Milestones in Fourier transform ion cyclotron resonance mass spectrometry technique development, 331
The role of mass spectrometric methods in ionic reaction mechanistic studies, 27
FTMS
Milestones in Fourier transform ion cyclotron resonance mass spectrometry technique development, 331
Fullerenes
C_{60} and carbon: a postbuckminsterfullerene perspective, 253
Carbon clusters, 423

Gas chromatography
Quadrupole ion trap mass spectrometry: a view at the turn of the century, 285
Gas phase
An introduction to the gas phase chemistry of anions, 79
Correlating thermochemical data for gas-phase ion chemistry, 277
Gas phase ion thermochemistry based on ion-equilibria from the ionosphere to the reactive centers of enzymes, 313
Gaseous ion-molecules
Thermochemical ladders scaling the ramparts of gaseous ion energetics, 187
Gaseous ions
Quadrupole ion trap mass spectrometry: a view at the turn of the century, 285
Gspann parameter
Carbon clusters, 423
Guided ion beams
Kinetic energy dependence of ion-molecule reactions: guided ion beams and threshold measurements, 219

High pressure mass spectrometry (HPMS)
Mass spectrometric implications of high-pressure ion sources, 459
Thermochemical ladders scaling the ramparts of gaseous ion energetics, 187
Host-guest chemistry
Probing molecular recognition by mass spectrometry, 57

Intramolecular vibrational redistribution (IVR)
Landmarks in the theory of mass spectra, 43
Ion chromatography
Carbon clusters, 423
Ion cyclotron resonance
Development of tandem mass spectrometry: one perspective, 495
Milestones in Fourier transform ion cyclotron resonance mass spectrometry technique development, 331
Photodissociation of trapped ions, 571
Ion dissociation
Ion dissociation dynamics and thermochemistry by photoelectron photoion coincidence (PEPICO) spectroscopy, 443
Ion implantation
Carbon clusters, 423
Ion optics
SIMION for the personal computer in reflection, 3
Ion spectroscopy
Photodissociation of trapped ions, 571
Ion trap
Milestones in Fourier transform ion cyclotron resonance mass spectrometry technique development, 331
Ion/ion reaction
Novel quadrupole ion trap methods for characterizing the chemistry of gaseous macro-ions, 137
Ionization
Correlating thermochemical data for gas-phase ion chemistry, 277
Electrospray mass spectrometry of organometallic compounds, 387
Ion-molecule equilibria
Gas phase ion thermochemistry based on ion-equilibria. From the ionosphere to the reactive centers of enzymes, 313
Ion-molecule reactions
Development of chemical ionization mass spectrometry, 243
Novel quadrupole ion trap methods for characterizing the chemistry of gaseous macro-ions, 137
The role of mass spectrometric methods in ionic reaction mechanistic studies, 27
Ion-molecules
Some reflections on characterizing potential surfaces for gas-phase ionic reactions, 591

KERDs
Carbon clusters, 423

LAMMA
Matrix-assisted laser desorption/ionization, an experience, 71
Laser desorption
Matrix-assisted laser desorption/ionization, an experience, 71
Lipid mediators
Lipid mediators and mass spectrometry: an historical perspective, 201
Lipids
Charge-remote fragmentation: an account of research on mechanisms and applications, 611

Macro-ion
Novel quadrupole ion trap methods for characterizing the chemistry of gaseous macro-ions, 137
Magic shells
Carbon clusters, 423
MALDI
Matrix-assisted laser desorption/ionization, an experience, 71
Timing the flight of biomolecules: a personal perspective, 597
Mass spectra
Carbon clusters, 423
Mass spectrometry
The changing impact of the collision-induced decomposition of ions on mass spectrometry, 479
Characterisation of synthetic polymer systems, 261
Evolution of ESI-mass spectrometry and fourier transform ion cyclotron resonance for proteomics and other biological applications, 509
Gas phase ion thermochemistry based on ion-equilibria. From the ionosphere to the reactive centers of enzymes, 313
Lipid mediators and mass spectrometry: an historical perspective, 201
Mass spectrometric implications of high-pressure ion sources, 459
Matrix-assisted laser desorption/ionization, an experience, 71
Quadrupole ion trap mass spectrometry: a view at the turn of the century, 285
Timing the flight of biomolecules: a personal perspective, 597
Maximum entropy method
Landmarks in the theory of mass spectra, 43
Metal ions
Inner-sphere electron transfer in metal-cation chemistry, 163
Metallation
Electrospray mass spectrometry of organometallic compounds, 387
Metastable peaks
The role of mass spectrometric methods in ionic reaction mechanistic studies, 27
Molecular ions
Frontiers in the spectroscopy of mass-selected molecular ions, 545
Molecular recognition
Probing molecular recognition by mass spectrometry, 57
MS/MS
Development of tandem mass spectrometry: one perspective, 495

Noncovalent complexes
Electrospray ionization mass spectrometry: a technology for studying noncovalent macromolecular complexes, 175

Octopole
Kinetic energy dependence of ion-molecule reactions: guided ion beams and threshold measurements, 219
Organometallic
Electrospray mass spectrometry of organometallic compounds, 387
Orthogonal injection
Timing the flight of biomolecules: a personal perspective, 597

Penning trap
Milestones in Fourier transform ion cyclotron resonance mass spectrometry technique development, 331
Phase space
Landmarks in the theory of mass spectra, 43
Photodissociation
Photodissociation of trapped ions, 571
Photoelectron
Vacuum ultraviolet photoionization and photoelectron studies in the new millennium: recent developments and applications, 357
Photoelectron-photoion coincidence
Ion dissociation dynamics and thermochemistry by photoelectron photoion coincidence (PEPICO) spectroscopy, 443
Vacuum ultraviolet photoionization and photoelectron studies in the new millennium: recent developments and applications, 357
Photoionization
Vacuum ultraviolet photoionization and photoelectron studies in the new millennium: recent developments and applications, 357
Positive ions
Development of chemical ionization mass spectrometry, 243
Positive-ion chemistry
Experimental studies of positive ion chemistry with flow-tube mass spectrometry: birth, evolution, and achievements in the 20th century, 97
Potential surfaces
Some reflections on characterizing potential surfaces for gas-phase ionic reactions, 591
Potential-energy surfaces
Inner-sphere electron transfer in metal-cation chemistry, 163
Proteins
Electrospray ionization mass spectrometry: a technology for studying noncovalent macromolecular complexes, 175
Evolution of ESI-mass spectrometry and Fourier transform ion cyclotron resonance for proteomics and other biological applications, 509
Proteomics
Evolution of ESI-mass spectrometry and Fourier transform ion cyclotron resonance for proteomics and other biological applications, 509
Protonation
Electrospray mass spectrometry of organometallic compounds, 387
Pulsed field ionization
Vacuum ultraviolet photoionization and photoelectron studies in the new millennium: recent developments and applications, 357

Quadrupole ion trap
Novel quadrupole ion trap methods for characterizing the chemistry of gaseous macro-ions, 137
Quadrupole ion trap mass spectrometry: a view at the turn of the century, 285
Quadrupole-time-of-flight
Electrospray ionization mass spectrometry: a technology for studying noncovalent macromolecular complexes, 175

Quasi-Equilibrium Theory (QET)
The changing impact of the collision-induced decomposition of ions on mass spectrometry, 479
Quaternization
Electrospray mass spectrometry of organometallic compounds, 387

Reaction intermediate
Electrospray mass spectrometry of organometallic compounds, 387
Reaction mechanisms
Inner-sphere electron transfer in metal-cation chemistry, 163
The role of mass spectrometric methods in ionic reaction mechanistic studies, 27
RRKM
Carbon clusters, 423

Statistical theory
Landmarks in the theory of mass spectra, 43
Synchrotron radiation
Vacuum ultraviolet photoionization and photoelectron studies in the new millennium: recent developments and applications, 357
Synthetic polymer systems
Characterisation of synthetic polymer systems, 261

Tandem mass spectrometry
The changing impact of the collision-induced decomposition of ions on mass spectrometry, 479
Charge-remote fragmentation: an account of research on mechanisms and applications, 611
Development of tandem mass spectrometry: one perspective, 495
Thermochemical ladders
Thermochemical ladders scaling the ramparts of gaseous ion energetics, 187
Thermochemistry
Gas phase ion thermochemistry based on ion-equilibria. From the ionosphere to the reactive centers of enzymes, 313
Ion dissociation dynamics and thermochemistry by photoelectron photoion coincidence (PEPICO) spectroscopy, 443
Kinetic energy dependence of ion-molecule reactions: guided ion beams and threshold measurements, 219
Thresholds
Kinetic energy dependence of ion-molecule reactions: guided ion beams and threshold measurements, 219
Time-of-flight
Matrix-assisted laser desorption/ionization, an experience, 71
Timing the flight of biomolecules: a personal perspective, 597
Transition metals
Inner-sphere electron transfer in metal-cation chemistry, 163
Transition state
Landmarks in the theory of mass spectra, 43
Translational-energy spectroscopy
Translational-energy spectroscopy: a personal perspective of its development, 403

Unimolecular dissociation
Novel quadrupole ion trap methods for characterizing the chemistry of gaseous macro-ions, 137

Vacuum environment
Mass spectrometric implications of high-pressure ion sources, 459
Vacuum ultraviolet
Vacuum ultraviolet photoionization and photoelectron studies in the new millennium: recent developments and applications, 357
Vibrational spectroscopy
Frontiers in the spectroscopy of mass-selected molecular ions, 545